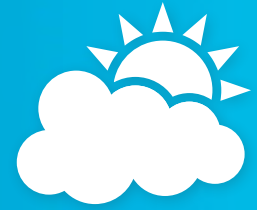


Ultrasonic 2-Axis Wind Sensor

5600-0210



SPECIFICATIONS	
<i>Specifications subject to change without notice</i>	
MEASUREMENT	
Output	1 Hz, 4 Hz, 10 Hz
Parameters	UV, Polar, NMEA, Tunnel
Units	m/s, Knots, MPH, KPH, ft./min.
Averaging	Flexible 1-3600 seconds
WIND SPEED	
Range	0 - 65 m/sec (0-145mph)
Accuracy	2%
Resolution	0.01 m/sec
Offset	±0.01 m/sec
WIND DIRECTION	
Range	0 - 359°
Accuracy	± 2°
Resolution	1°
SONIC TEMP. OUTPUT	Range: -40°C to +70°C
ANEMOMETER STATUS	Part of standard message
STARTING THRESHOLD	0.01 m/sec
DEAD BAND WIND DIR.	None
POWER REQUIREMENT	Anemometer only 9 - 30 VDC @ 40mA @ 12 VDC Heating - Optional 3A @ 24V AC or DCV
DIGITAL OUTPUT	
Communication	RS422, full duplex, network facility
Baud rates	1200, 2400, 4800, 9600, 19200, 38400
Formats	8 data, odd, even, or no parity
ANALOG OUTPUT - OPTIONAL	
Quantity	3 (speed, direction, status or sonic temperature)
Scale	Multiples of ±10m/s up to ± 70 m/s
Type	± 2.5V, 0-5V or 4-20mA
V output resistance	60 Ohms
4-20mA loading	10-300 Ohms
DIMENSIONS	
Weight	1.5 lbs. (.69 kg)
Size	405 mm high x 210 mm wide
EXTERNAL MATERIALS	Stainless Steel 316
ENVIRONMENTAL	
Moisture Protection	IP66 (NEMA4X)
Operating Temp	-55°C to +70°C
Humidity	5% to 100% RH
Precipitation	300mm/hr
Icing	MILSTO810E Method 521.1 Procedure 1
STANDARDS	Traceable to NAMAS standards
SITE CALIBRATION	None required
CERTIFICATION	EMC tested BSEN 50081-1 1992 (Emissions class B)
	BSEN 50082-2 1992 (Immunity) Worldwide distribution
MTBF	10 years



Features

- ▶ Decreased down time & service costs
- ▶ Continuous operation in extreme weather conditions
- ▶ Reduced set up and installation time
- ▶ No moving parts
- ▶ Can be configured to exact requirements including analog outputs
- ▶ Meets stringent performance criteria specified by international meteorological, naval and airport authorities
- ▶ Enhanced anti-icing design
- ▶ Analog outputs
- ▶ NMEA output
- ▶ User selectable output format
- ▶ Sonic temperature
- ▶ 1, 4, or 10 Hz output
- ▶ Communications software
- ▶ Calibration to international standard

Applications

- ▶ Meteorological
- ▶ Transport
- ▶ Highways
- ▶ Military
- ▶ Aviation
- ▶ Wind turbines
- ▶ Tunnels
- ▶ Bridges
- ▶ Marine

Ordering

5600-0120

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